Pioneer sound.vision.soul

2004 Mobile Entertainment Systems

AVIC-N1

NEW FOR 2004

Touch the panel with your finger or simply say the word. The AVIC-N1 responds to both touch and voice commands. Finding your way has never been easier. This unique unit combines an advanced navigation system with a sophisticated DVD AV entertainment system. Thanks to the ultra-convenient Memory Navigation feature, two different sources can be enjoyed at once (one by passengers up front and another by those in the back seat) while the driver takes advantage of navigation guidance.

West Coast Disc

East Coast Disc

With the Display Fully Retracted Inside.

10-character Sub-display

Thanks to an illuminated sub-display, you're still able to operate the AVIC-N1 when the 6.5-inch monitor is closed. The 10-character display provides basic system information and control without requiring full extension of the video monitor.

DVD Memory Navigation System with Simultaneous Navigation/AV, Tri-Zone Entertainment, and 6.5" Motorized Touch Panel Display

NAVIGATION & COMPUTER FEATURES
- Canada and US Dual DVD Map Discs with 12 Million POI (Including Hawaii and Alaska)
- RISC CPU for Navigation and Vehicle Dynamics Display Functions
- Exclusive 32-Bit Positioning CPU
- 64M SDRAM
- Flash Memory
- Graphic Processor
- 3D Hybrid Sensor
- Voice Control Interface (with Optional Mic CD-VC1)
- GPS Receiver and Antenna

DVD PLAYER FEATURES
- Ultra-Slim Built-In DVD/CD/MP3 Player
- Compatible with DVD-Video/DVD-R/RW/CD/CD-R/RW/MP3
- 96/48/44.1 f.s. 24-bit 2ch DA Converter
- CD-Text with ID3 Tag

LCD DISPLAY FEATURES
- 6.5" Widescreen TFT Active Matrix LCD Color Display
- Touch Panel Control with AG (Anti-Glare) Coated Screen
- Fully Motorized Mechanism with Display Angle Adjustment
- Automatic Display Positioning
- Intelligent Dimmer Control
- Picture Adjustment (Brightness, Contrast, Color, Hue, Dimmer Settings)
- Independent Rear-View Camera Input and Split Screen IC
- 10 Character Sub Display with Scroll (XM only)
- New Enhanced Color GUI & Animated Background Images
- Background Images Downloadable from CD-R
- Direct Source Selection by Touch

AV RECEIVER FEATURES
- Multi-Channel Processor Ready (Optional OEL Controller & Processor)
- MOSFET50 (50Wx4-Channel High Power)
- 3 Pair Preout
- 3-Band Parametric EQ
- Direct Subwoofer Drive
- Supertuner® III*D*™ (AM/FM)
- IP-Bus System Control
  - DAB-Ready
  - MCD Control
  - Dual DVD Control (XDV-P90 Multi-DVD Player)
  - Auxiliary Input (CD-RB10 or CD-RB20 required)
  - 2 External Unit Control
- AV Bus Input (for use with GEX-P6400TV or XDV-P90 Player (CD-AB50 is required for XDV-P90)
- Composite A/V Input (AV1) for VCP or Game
- Composite A/V Output for Tri-Zone Function
- Background Video Capability
- Detachable Face Security™

It's a three-in-one system thanks to Memory Navigation

The Pioneer AVIC-N1 does three jobs well at the same time—it gives the driver guidance along the route, it lets the passengers up front enjoy AM/FM or satellite radio, *and* it keeps the rear-seat passengers entertained with DVD movies, all simultaneously. Pioneer's Memory Navigation is an industry-first mapping technology that lets the driver access the features of both the navigation and A/V system at the same time.

It's a snap to use Memory Navi. Load the map disc and set the destination to calculate the route. Then the route information is automatically stored in memory. Now you can remove the map disc to insert a CD or listen to the radio, or load a movie DVD for rear-seat entertainment.

Exclusive AVIC-N1 website: http://www.avic-n1.com

Touch Panel Operation

Touch Panel Screen

Using Pioneer's navigation system is a snap. Just touch large, bright icons on the screen to navigate menus, plot routes, or change map views. An easy to read status indicator provides current location information, turn distances and approximate time to destination. The touch screen has extremely fast response rates and a wide viewing angle.

Seven View Modes and Eight Vehicle Dynamics Displays

The driver can choose from seven enhanced modes that can be displayed on the screen, such as Map View Mode and Driver's View Mode with 3-D maps.

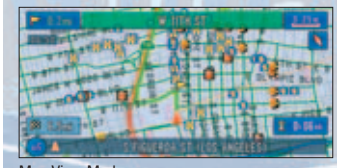
In addition, the monitor offers the special Vehicle Dynamics Monitor function. Growing among the youth is the "tuner" market: there are an increasing number of young automobile enthusiasts who modify their vehicles with upgraded tires, wheels, suspension and other aftermarket equipment. This means vehicle dynamics is becoming a must-have feature, offering an easy, fun and accurate method to assess a car's performance with stock equipment versus aftermarket parts. In response to popular demand, Pioneer has provided the Navigation's monitor with the function to display eight vehicle dynamics from G-force to slope angle.

The monitor comes with another practical function. With an optional rear-view camera mounted, you can have a rear view of your car on the monitor, alongside a navigation map—which adds to safety when you're towing a boat or vehicle. Conveniently, the rear view zooms up to fill the entire screen when the gear is in reverse. This makes it much safer and simpler to maneuver a large vehicle in a small space.

* The rear view camera is **NOT** intended for entertainment purposes. It is designed to allow the driver to observe a towed boat or vehicle during transport.
** The optional rear-view camera must be a "reversed image" type.

Vehicle Dynamics Mode (8 Performance Displays)

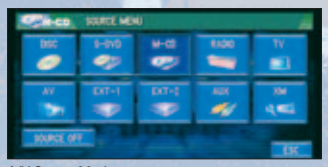
Vehicle Dynamics Mode Menu


Map View Mode

Rear View Split Screen

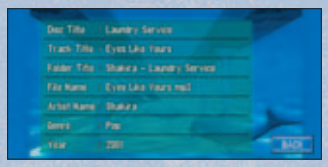
Tri-Zone Audio/Video Entertainment

While you obtain route guidance information, Tri-zone technology allows you to listen to AM/FM/DAB satellite radio, play DVD movies for rear passengers, and monitor the performance of the vehicle. Graphical screens and touch panel operation make it extremely easy to access the AVIC-N1's full A/V functions, including DVD/DVD-R/DVD-RW play, CD/CD-R/CD-RW play, MP3, CD play, external DVD player control, DAB and changer control.


A/V Status Mode

Background Images Downloaded via CD-R

MP3 Song List


MP3 Song Information

Map Database with Over 12 Million POI (Points of Interest)

The AVIC-N1 comes with two DVD-ROMs that contain a massive 12 million points of interest (POI) database with more than 248 different categories, letting you search, for instance, for the nearest gas station, ATM, or restaurant. As you are guided along your route, points of interest are overlaid onto the map—particularly helpful when driving in unfamiliar areas. Easy-to-recognize icons are extensively used to identify hotels, restaurants, banks, and even specific chain store locations such as 76® or Holiday Inn®. For extra convenience, Voice Command can be combined with the brandname search function. Just say "Starbucks" and you'll be presented with a list of Starbucks in your area—starting with the nearest first.

- Fast Food Chains
- Restaurant Chains
- Restaurants
- Groceries
- Shopping
- Gas Stations
- Automotive
- Rental Car Agencies
- Car Dealers
- Hotels
- Entertainment
- Leisure
- Public Services/Facilities
- Transportation
- Medical
- Schools
- Banks and ATMs

* The list is not comprehensive. Logo designs are subject to change.

Voice Command

Pioneer takes conventional voice command operations to a whole new level. Not only is it more advanced in the sense of recognizing different voices and commands, our 2004 system has moved into new media areas entirely. In addition to using Voice Command to control your navigation system, you can now use it to change media sources, radio stations, even adjust EQ levels. In fact, it seems the only thing your voice recognition system doesn't do is ignore you. To access Voice Command functions, the optional CD-VC1 Voice Command Pack is required.

CD-RV1 NEW FOR 2004

Rear Seat Mini Remote

Allows rear seat passenger to control AVIC-N1's DVD playback functions. For use only with AVIC-N1.

CD-VC1 NEW FOR 2004

Voice Command Pack

A package of a voice recognition mic and steering-wheel remote.

CD-SC300E NEW FOR 2004

Trunk-Mount Extension System Cable (3m)

Extension between main unit and the hideaway box.

CD-TS37GP NEW FOR 2004

Navigation Guidance Speaker

Optional guidance speaker for use when the AVIC-N1 is connected to a multi-channel processor.

ND-BC1 NEW FOR 2004

Universal Rear View Camera

Features include high resolution, compact size and reversed-image capability.

AVIC-80DVD

Over 2 Million POI's

8.5GB Dual Layer DVD Navigation System

FEATURES

- Canada & US DVD Map Disc (CNDV-21) (Excluding Hawaii & Alaska)
- Ultra-Slim Built-in DVD-ROM
- High Performance 32-bit RISC CPU & High Capacity 32M SDRAM
- Exclusive Graphic Processor for Fast & Smooth Graphics Rendering
- Exclusive 32-bit Positioning CPU
- 3D Hybrid Sensor for Distance Correction on Slopes (Gyro & G-force Sensor)
- Upgradable High Capacity Flash Memory Operating System
- Built-in PC-Card Slot (PCMCIA Type 2) for Downloading Images and Storing Registered Destination Points
- Includes Disc Application (CNDV-21) which Works with Both Touch Screen and Non-Touch Screen
- Voice Control Interface (Recognition/Synthesis) for "Eyes-Off" Operation of System
- 8 Channel GPS Receiver and Antenna
- 26P RGB Cable (6m) is Included for use with AVH-P6400CD, AVH-P6400, AVH-P7500DVD, AVH-P6500DVD, AVH-P6600DVD and AVD-W6210

DVD ROM | Voice Recognition | Touch Operation Ready | Remote Operation Ready

Map Data Base

The AVIC-80DVD features an 8.5GB dual layer DVD-ROM that stores a detailed map of Canada and the continental U.S. on a single disc. Detailed mapped areas cover over 450 cities in Canada and 12,800 cities in the U.S. Over 2 million Point of Interest (POI) locations are classified into more than 51 convenient categories. Plus there are over 10 million business phone numbers. Both address and phone numbers are included in the POI database.

Restaurant	Over 589,000 POI
Hotel	Over 87,000 POI
Auto Service	Over 533,000 POI
Bank	Over 106,000 POI

Overlay POI

POI in Vicinity

Detailed POI Category

AVD-W6210

Hideaway Box

Universal Mount Kit (included)

Pedestal Mount Adapter (Pedestal Mount Not Included)

6.5" Detachable Touch Panel Widescreen LCD Color Display

FEATURES

- 6.5" Widescreen TFT Active Matrix LCD Color Display
- 5 Selectable Viewing Modes
- RGB Input (26-pin) for Navigation System
- Rear View Camera Input with Reverse Image Function (A/V2)
- 2 A/V Inputs (Composite Video)
- 1 A/V Output (Composite Video)
- Touch Panel Control with AG (Anti-Glare) Coated Screen
- Built-In Speaker with Volume Control
- Detachable Mechanism for Anti-Theft

Touch Panel Screen | 6.5W | Quick Release | Back UP Camera Ready

CNDV-21

AVIC-9DVD and AVIC-90DVD Update Disc

Allows for AVIC-9DVD and AVIC-90DVD to have enhanced touch screen features of AVIC-80DVD. The database itself is still the same as the CNDV-20 or AVIC-90DVD Disc.

CD-RGB26P

26 Pin RGB Cable & A/V Composite Connection Box

Required when connecting the AVIC-80DVD to the AVD-W6010, AVD-W6000, AVD-W8000, AVX-P7300DVD, AVX-7300, AVM-P9000R, AVM-P8000R, AVM-P7000R or Non-Pioneer Display.

CD-TS36

Voice Guidance Speaker with IR Sensor

Necessary when using AVIC-80DVD with a Non-Pioneer Monitor. All verbal responses from AVIC-80DVD are broadcast through the voice guidance speaker. (CD-RGB26P is also required for Non-Pioneer Monitor)

AVH-P7500DVD

Hide-away Box for AVH-P7500DVD

Mobile DVD Digital Server with 7" Motorized Touch Panel Display

DVD PLAYER FEATURES

- Ultra-Slim Built-In DVD/CD/MP3 Player
- Compatible with DVD-Audio/DVD-Video/DVD-R/RW /Video CD/DTS CD/CD-R/RW/MP3
- 192/96/48/44.1 f.s. 24-bit 2ch/6ch DA Converter
- CD-Text with ID3 Tag and Auto Scroll

LCD DISPLAY FEATURES

- 7" Widescreen TFT Active Matrix LCD Color Display
- Touch Panel Control with AGLR (Anti-Glare, Low-Reflection) Coated Screen
- New Fully Motorized Mechanism with Display Angle Adjustment
- Automatic Display Positioning
- Intelligent Dimmer Control
- Picture Adjustment (Brightness, Contrast, Color, Hue, Dimmer settings)
- Independent Back-Up Camera Input with automatic switching capability
- 10 Character Sub Display (for when screen is closed)
- Enhanced color GUI (Graphical User Interface) display enables full motion entertainment background on LCD

AV RECEIVER FEATURES

- Multi-Channel Processor Built-in
  - Linear PCM/Dolby® Pro Logic II/Dolby Digital/DTS™/MPEG-A Decoder
- Multi-Channel Auto-EQ Setting
- Multi-Channel Auto Time Alignment
- Diversity TV Tuner Built-in
- MOSFET50 (50Wx5-Channel High Power)
- 6-Channel Hi-Volt Preout (5V)
- Parametric EQ
- Supertuner® III*D*™ (AM/FM)
- IP-Bus System Control
  - DAB-Ready
  - MCD Control
  - Dual DVD Control (XDV-P90 Multi-DVD Player)
  - Auxiliary Input
  - 2 External Unit Control
- RGB Input (26 PIn) for optional Navigation System (AVIC-80DVD)
- A/V Bus Input (for use with XDV-P90 Multi-DVD Player, CD-AB50 required)
- Composite A/V Input (AV1) for VCP or Game
- Composite A/V Output for Dual Zone Function
- Independent Rear A/V Source Control (DVD-V/TV/A/V1)
- Background Video Capability
- Detachable Face Security™

Touch Panel Screen · 7.0W · TV · DVD AUDIO · DVD VIDEO · MP3 · DAB READY · SUPERTUNER IIID · DOLBY DIGITAL PRO LOGIC II · DOLBY DIGITAL · DIGITAL dts SURROUND · 24bit DA Converter · Multi CH Auto EQ · MLP · Hi-VOLT · MOSFET 50Wx5 · Back UP Camera Ready · BGV Background Video · Virtual GUI · iDual Zone · rNAVI Ready · Remote Operation Ready · Touch Operation Ready · Sub Display

Screen for CD control.

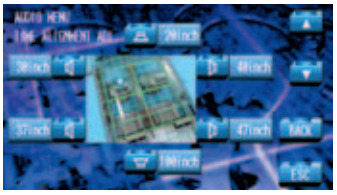
Screen for DVD control.

The first scene of each chapter is displayed in small image for easy search.

Visually-friendly screen for source level adjustment.

Screen for controlling the parametric equalizer.

Setup menu screen.


Audio Menu—Screen for adjusting time alignment.

Audio Menu—Position.

DVD Audio on the Road

Pioneer now offers you the upgraded in-car entertainment with optimum sound quality. The AVH-P7500DVD is compatible with DVD Audio, a leading-edge format expected to replace CDs as the listening format of choice in the near future. Whether a movie or audio disc, DVD stores a lot more data than regular CD (4.7 gigabytes versus 650 megabytes). More data means better sound. Harmonics that are lost in the CD mastering process are kept intact with DVD Audio. DVD Audio's high specifications create a warm sound that reminds you of vintage vinyl albums. The numbers tell the real story:

- Two channels at 192kHz, 24-bit rate. This is about as good as reproduced sound gets.
- Six channels at 96kHz, 24-bit rate. Creates an audio surround-sound field that gives the impression the band is in the same room with you.

Motorized Touch Panel Display

Typically, when you press a touch panel screen, it moves. Pioneer developed a motorized mechanism to counter this pressure. So you can adjust the angle from 60 to 110 degrees for optimum viewing, and the screen maintains it. When not in use, it automatically retracts inside the chassis. The next time you open the screen, it returns to its previous position.

New Fully Motorized Display

Easy Control with Touch Panel Display

AVH-P6600DVD

NEW FOR 2004

Mobile DVD Digital Server with 6.5" Motorized Touch Panel Display

DVD PLAYER FEATURES
- Ultra-Slim Built-in DVD/CD/MP3/WMA Player
- Compatible with DVD-Video/DVD-R/RW/Video CD/ CD-R/RW/MP3/WMA
- 96/48/44.1 f.s. 24-bit 2ch DA Converter
- CD-Text with ID3 Tag

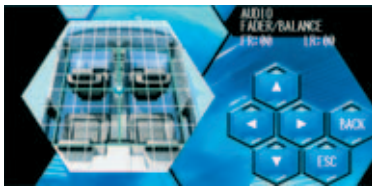
LCD DISPLAY FEATURES
- 6.5" Widescreen TFT Active Matrix LCD Color Display
- Touch Panel Control with AG (Anti-Glare) Coated Screen
- New Fully Motorized Mechanism with Display Angle Adjustment
- Automatic Display Positioning
- Intelligent Dimmer Control
- Picture Adjustment (Brightness, Contrast, Color, Hue, Dimmer settings)
- Independent Back-Up Camera Input with automatic switching capability
- 10 Character Sub Display (for when screen is closed)

AV RECEIVER FEATURES
- Optical Output for Multi-Channel Processor (DEQ-P8000) - Dolby® Digital/DTS™/Dolby Pro Logic II/Linear PCM
- MOSFET50 (50Wx4-Channel High Power)
- 3 Pair Hi-Volt Preout (4V)
- Parametric EQ with EQ-EX
- Direct Subwoofer Drive
- Supertuner® III*D*™ (AM/FM)
- IP-Bus System Control
  - DAB-Ready
  - MCD Control
  - Dual DVD Control (XDV-P90 Multi-DVD Player)
  - Auxiliary Input (CD-RB10 or CD-RB20 required)
  - 2 External Unit Control
- RGB Input (26 Pin) for optional Navigation System (AVIC-80DVD)
- A/V Bus Input (for use with GEX-P6400TV or XDV-P90 Player (CD-AB50 is required for XDV-P90)
- Composite A/V Input (AV1) for VCP or Game
- Composite A/V Output for Dual Zone Function
- Background Video Capability
- Detachable Face Security™

With the Display Fully Retracted Inside.

Touch Panel Screen · 6.5W · DVD VIDEO · DIGITAL AUDIO Recordable Rewritable · MP3 ID3 TAG · WMA · DAB READY · SUPER TUNER IIID · DOLBY DIGITAL · dts DIGITAL OUT · 24bit DA Converter · Hi-VOLT · MOSFET 50Wx4 · Back UP Camera Ready · BGV Background Video · Virtual GUI · iDual Zone · eNAVI Ready · Remote Operation Ready · Touch Operation Ready · Sub Display

Entertainment Clock

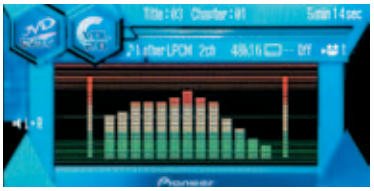


Fader/Balance Setting

Tuner Menu

BGV (Back Ground Visual)

BGV (Back Ground Visual)



BGP (Level Meter)

TS-CX7

Center Channel Speaker

FEATURES
- 2-1/4" Full Range Speaker
- Aramid Fiber Composite Cone
- Butyl Rubber Surround
- Dual Magnetically Shielded Neodymium Magnets with Single Gap Structure Design
- Glass-Imide Voice Coil Bobbin
- Sealed Enclosure with Mounting Hardware Included

SPECIFICATION
- 60 Watts Max. Music Power
- Sensitivity: 80dB (1W/1m)
- Frequency Response: 140Hz - 30kHz
- 4Ω Rated

AD-GA10

Offset Installation Kit

NEW FOR 2004

For use with AVIC-N1, AVH-P7500DVD, AVH-P6500DVD and AVH-P6600DVD. The 10mm Offset Installation Kit includes a ring finished in black or silver.

AXM-P8000

NEW FOR 2004

Audio Master Unit for Use with DEQ-P8000

DVD PLAYER FEATURES

- Universal Audio Controller for Use with DEQ-P8000 and AVX-P8DVD (or Other DVD Receivers with Optical Digital Output)/Other External Units.
- IP-Bus System Control (DVD, MCD, DAB, MMD, Source CD, Source MD, Source TV, DEQ-P8000, or Auxiliary Unit Control)
- OEL Display with Clock and Dimmer Function
- DVD Remote Control

DEQ-P8000

NEW FOR 2004

Dolby® Digital/DTS™/Dolby Pro Logic II Audio Processor

FEATURES

- 5.1-Channel Multi Channel Audio Processor
  - Built-in Dolby® Digital/DTS™/Dolby Pro Logic II/Linear PCM Decoder
  - 24-bit 6-Channel DAC
  - Sound Field Control (6 modes)
  - Time Alignment & Speaker Set-up Mode
- 2-4.1-Channel Down Mixing Processor
- MOSFET50 (50Wx5-Channel High Power)
- EEQ™ Performance Chip with Parametric EQ
- Optical Input (DVH-P5000MP or AVH-P6600DVD)
- IP-Bus Input/Output
- 6-channel Hi-Volt Audio Preouts (Front L&R, Rear L&R, Center, Subwoofer) (5V)
- 1-Day Back-up Memory

DSP MOSFET 50Wx5 24bit DA Converter Hi-VOLT

DVH-P5000MP

DVD Receiver with Dual Zone Capability

DVD PLAYER FEATURES

- DVD/Video CD/CD Player
- DVD-R/RW, CD-R/RW Compatible
- MP3 CD-ROM Playback
- 96kHz/24-bit D/A Converter (DVD)
- Optical Digital Output for DEQ-P7000 Multi-Channel Audio Processor (Dolby® Digital/DTS™/Dolby Pro Logic)
- Composite Video Output (Front & Rear)
- RCA Audio Output (Rear)
- Dual Zone (Two Different Sources) Operation for Front and Rear

RECEIVER FEATURES

- Multi-Color LED Display
- MOSFET50 (50Wx4-Channel High Power)
- Supertuner® III*D*™ (AM/FM)
- EEQ™ and EQ-EX Performance Chip with 3-Band Parametric EQ
- 2-Way Crossover (HPF & LPF)
- SFEQ Performance Chip with Independent Front/Rear Bass & Treble
- RCA Audio Preouts x 2 Pair (Front & Rear or Subwoofer) (2V)
- IP-Bus System Control (DAB, TV Tuner, DEQ-P7000, MCD or Auxiliary Unit Control)
- Full Function DVH/DVD Card Remote Control
- Detachable Face Security™

DVD VIDEO DOLBY DIGITAL dts DIGITAL OUT 24bit DA Converter Dual Zone MP3 ID3 TAG DAB READY EEQ MOSFET 50Wx4 SUPERTUNER III D

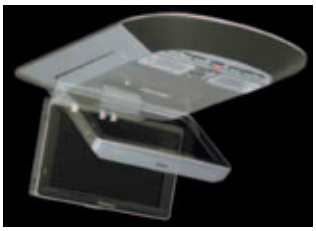
GEX-P6400TV

4-Channel Diversity TV Tuner & Antenna

FEATURES

- For use with AVX-P7300DVD, AVH-P6500DVD, AVH-P6600DVD, AVH-P6400CD and AVH-P6400
- 24-Station Presets (12 TV1/12 TV2)
- BSSM (Best Stations Sequence Memory)
- IP-Bus System Input
- AV-Bus Input
- Composite Audio & Video Output for Rear
- Diversity Antenna Input (4 Channel)
- 4ch Diversity Antenna included
- 3m AV-Bus, IP-Bus cable included

AVR-W6100



Overhead 6.5" Widescreen LCD Color Display

FEATURES

- 6.5" Widescreen TFT Active Matrix LCD Color Display
- Flip-down with Adjustable Angle (Left/Right Swivel)
- 5 Selectable Viewing Modes
- Auto Dimmer Control
- AGLR (Anti-Glare, Low-Reflection) Coated Screen
- 3 A/V Inputs & 1 A/V Output
  - 1 set Composite A/V Input on Front Panel for portable device
  - 2 sets A/V Inputs (One 6m cable is included, other cable is optional)
  - 1 set Composite A/V Output
- Channel, Menu, Power, Video Select and Volume Control Accessible on Face of Console
- Built-in IR Transmitter for Wireless Headphones
- 2 Wired Headphone Outputs (Mini-Plug) with Volume Control
- Remote Control Eyes (Pass-through for Non-Pioneer Source Unit)
- Dome Lights
- Slim Remote Control with DVD Control

AVD-W6200

6.5" Widescreen LCD Color Display

FEATURES

- 6.5" Widescreen TFT Active Matrix LCD Color Display
- 5 Selectable Viewing Modes
- 2 A/V Inputs (Composite)
- 1 A/V Output (Composite Video)
- AGLR (Anti-Glare, Low-Reflection) Coated Screen
- Built-In Speaker with Volume Control
- Quick-Release Install Kit Included (easy mount to posts in headrest)

SE-IRM250

Wireless Stereo Headphones

Combine the SE-IRM250 wireless headphones for your passenger's private listening environment. (For use with AVR-W6100).

AD-RM6100T/G

Overhead Console Trim Ring (Tan/Grey)

For use with AVR-W6100. Allows seamless integration of the AVR-W6100 unit in your headliner.

GEX-6100TV

TV Tuner and Antenna for AVR-W6100

FEATURES

- TV Tuner for use with AVR-W6100
- 24-Station Presets (12 TV1/12 TV2)
- Preset, Seek & Manual Tuning
- Station Number OSD (On Screen Display)
- Amplified Antenna Included

CD-V61FM

Add-on FM Modulator

Allows audio from source to be broadcast through your vehicle audio system.

DEH-P80MP

NEW FOR 2004 **CD Receiver with Organic EL Display, MP3/WMA Playback, BMX Digital Compression, SFEQ/EQ-EX, MOSFET60, DAB-Ready, Supertuner® III*D*™, IP-Bus System Control, 10-key Remote, Rotary Volume Control, Auto Slide Flap Face, Detachable Face Security™ and Hi-Volt Preouts (4.0V)**

Rotary Commander for Volume and File Sorting

MP3 WMA MOSFET 60 SUPERTUNER III D CD CONTROL CD TEXT Hi-VOLT

Powerful Mode

Level Indicator

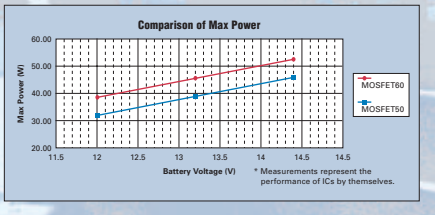
DJ

Mighty MOSFET60

MOSFET 60

Now Pioneer lets you enjoy 60W x 4 power from a CD headunit. Ultra high MOSFET power is made possible by the combined use of a new high-efficiency amp IC and step-up voltage converters (17.5V). Installation is hassle-free because the new design does not require a dedicated power supply cable connected direct to the car battery*.

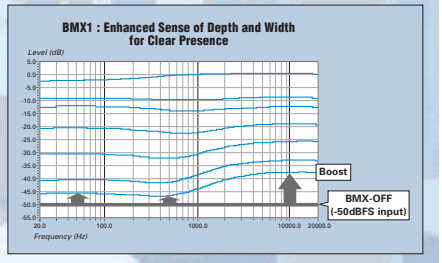
* Note: Applies only to vehicles using batteries with Acc rated at 10A or higher.

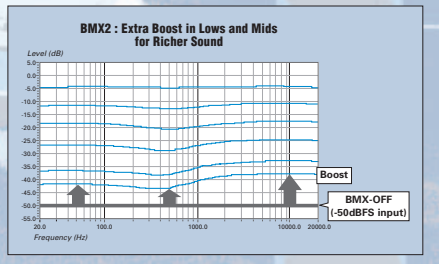


BMX (Bit Media EX) Digital Compression

Compressed file formats such as MP3 and WMA are now as common as the Internet. But there are people who feel that compressed music sounds thin, flat and short of depth. This is because the data representing a delicate sound barely over the threshold of perception is essentially ignored during compression.

To correct this common problem, Pioneer developed BMX technology. BMX studies what's left of the delicate sound frequencies that are usually ignored and makes the necessary adjustments. This improves the shape and overall depth of sound, which results in enjoyment to the ears, especially in the noisy car environment.





BMX1 enhances the depth and width of the sound field, making music sound really lively.

BMX2 improves the sense of presence.

	DEH-P80MP
SUPERTUNER SECTION	
Supertuner	III*D*
DAB-Ready	x
24-Station/6-Button (18FM/6AM) Presets	x
BSM (Best Stations Memory)	x
CD PLAYER	
1-bit D/A Converter	8fs/16-bit
CD-R/CD-RW Compatible	x
MP3 Compatible	x
WMA (Windows Media™ Audio)	x
Wave (.wav) Compatible	x
Disc Title Memory	x
CD Text	x
IP-Bus (Changer Control)	x
BMX Digital Compression (SCD)	x
DBE (MCD)	x
AUDIO SECTION	
MOSFET60 (60Wx4-Channel High Power)	x
Equalizer	3-Band Parametric
SFEQ (Sound Focus EQ)	x
EQ-EX	x
Source Level Adjuster (SLA)	x
Automatic Sound Levelizer (ASL)	x
Loudness	3 Mode
Selectable Fader	x
HPF Crossover	x
Subwoofer (LPF) Crossover	x
Hi-Volt RCA Preouts	3 (4.0V)
GENERAL	
DVD Control	x
Customizable Display	CD-R
Detachable Face Security™	x
Flap Face	Auto Slide
Organic EL Display	Blue
Spectrum Analyzer	Level Ind.
Remote Control	10-key
Rotary Volume Control	x
Wired Remote Input	x
Display Output	x
Cellular Mute	x
Face Case (Included)	x
Warranty	1 Year

DEH-P8600MP

NEW FOR 2004

CD Receiver with Customizable Multi-Color Panel Display, MP3/WMA Playback, BMX Digital Compression, Built-in DSP, MOSFET50, DAB-Ready, Supertuner® III*D*™, IP-Bus System Control, 10-key Remote, Rotary Volume Control, Auto Slide Flap Face, Detachable Face Security™ and Hi-Volt Preouts

24bit DA Converter · MP3 · WMA · DSP · MOSFET 50 · DAB READY · SUPERTUNER IIID · CD CONTROL · CD TEXT · Hi-VOLT · BBE DIGITAL

DEH-P7600MP

NEW FOR 2004

CD Receiver with Organic EL Display, MP3/WMA Playback, BMX Digital Compression, SFEQ/EQ-EX, MOSFET50, DAB-Ready, Supertuner® III*D*™, IP-Bus System Control, Card Remote, Pop-up Rotary Volume Control, Flap Face, and Detachable Face Security™

MP3 · WMA · MOSFET 50 · DAB READY · SUPERTUNER IIID · CD CONTROL · CD TEXT

OEL (Organic EL) Display

It moves. It lives. It rocks. It's the Organic EL (OEL) display. With animated graphics that retain amazing brightness, OEL is the most significant advancement in display technology since the detachable face. It's an innovation that, for the first time, allows the projection of motion and 3D animated graphics in multiple colors. Since the components involved in the display require less space than conventional displays, it even allows for wide-angle viewing and larger type that's easy to read. And brightness levels are so impressive that it even shines clearly in direct sunlight.

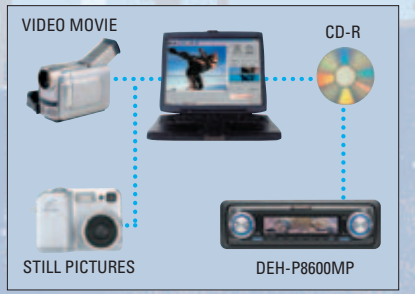
This year, a new type of OEL has joined the lineup—Multi-Color Panel. It's a simple solution to the expressive power of multiple colors.

Auto EQ

Auto EQ automatically fine-tunes the entire range of the music's frequency bandwidth, using 13-band graphic equalization for front and rear speakers. Simply plug in the included microphone and let the frequency band fine-tuning go to work.

Customizable Displays

Like to customize the graphics on your Multi-Color Panel Display? No problem. Pioneer makes it easy to personalize your display. From a Pioneer website, you can download the necessary software that will allow you to edit and create BMP, JPEG or PNG images. You can add animation, special effects, titles and more. Once the data is completed, burn it onto a CD-R and insert the disc into your DEH-P8600MP or DEH-P80MP headunit. Custom images are uploaded and visible on your display.



Auto Time Alignment

Auto Time Alignment automatically estimates the delay from each speaker to the listening position and adjusts the speaker sound output timing accordingly. The output timing for each speaker is adjusted precisely so that the sound from each speaker, wherever it is installed, reaches the driver's ears at the same time, thus optimizing the listening experience.

DEH-P6600

NEW FOR 2004

CD Receiver with Organic EL Display, SFEQ/EQ-EX, MOSFET50, DAB-Ready, Supertuner® III*D*™, IP-Bus System Control, Card Remote, Pop-up Rotary Volume Control, Flap Face, and Detachable Face Security™

Compact Disc Digital Audio Recordable Rewritable · Organic EL · EEQ · MOSFET 50 · DAB READY · SUPERTUNER III D · CD CONTROL · CD TEXT · DETACHABLE FACE SECURITY

DEH-P4600MP

NEW FOR 2004

CD Receiver with Blue Background LCD Display, MP3/WMA Playback, BMX Digital Compression, MOSFET50, DAB-Ready, Supertuner® III*D*™, IP-Bus System Control, Card Remote, Pop-up Rotary Volume Control, Flap Face, and Detachable Face Security™

Compact Disc Digital Audio Recordable Rewritable · MP3 ID3 TAG · WMA · EEQ · MOSFET 50 · DAB READY · SUPERTUNER III D · CD CONTROL · CD TEXT · DETACHABLE FACE SECURITY

MP3 and WMA

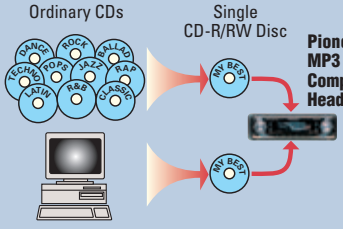
Don't let your favorite music downloads languish on your computer hard drive. Burn them to a CD-R or CD-RW and play them on one of our MP3 and WMA compatible headunits. Each disc you burn has the capacity to hold up to ten complete albums of MP3 music and twenty for WMA discs. Trust us, that's a lot of music. And since these CDs hold so much data, you'll be happy to know that Pioneer MP3 headunits also include a random play mode. You'll also be pleasantly surprised to find that our players support ID3 Tags and WMA text, which display artist, title, track and album information, just like your computer.

MP3 ID3 TAG

Designed for Windows Media™

* Microsoft, Windows Media and the Windows logos are trademarks or registered trademarks of Microsoft Corporation in the United States and/or other countries.

Create Custom Longer-Playing Discs



Easy EQ (EEQ™)

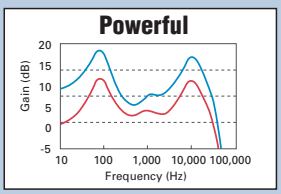
Pioneer's Easy EQ makes changing your sound design extremely easy. It delivers all the range you demand from a 3-band parametric equalizer. Just activate Easy EQ and you can adjust your sound character to one of six settings—**Super Bass** for rap and hip hop; **Powerful** for hard rock; **Natural** for dynamic yet crisp sound; **Vocal** for talk radio; **Flat** for precise balance between bass and treble; there's even a **Custom** setting you can tailor to your own preferences.

EEQ

EQ-EX

EQ-EX gives you greater control over the five EEQ™ preset settings. With it you can fine-tune the overall frequency parameters to achieve the sound you want. You can even customize your own equalization preset by balancing frequency parameter bands exactly to your liking.

EQ-EX Curves and Parameters



DEH-P3600

NEW FOR 2004

CD Receiver with Multi-Color LCD Display, SFEQ/EQ-EX, MOSFET50, DAB-Ready, Supertuner® III*D*™, IP-Bus System Control, Card Remote, Pop-up Rotary Volume Control, Flap Face, and Detachable Face Security™

MOSFET 50 | DAB READY | SUPERTUNER III D | CD CONTROL | CD TEXT | DETACHABLE FACE SECURITY

DEH-P2600

NEW FOR 2004

CD Receiver with Blue Background LCD Display, MOSFET50, DAB-Ready, Supertuner® III*D*™, IP-Bus System Control, Card Remote, Pop-up Rotary Volume Control, Flap Face, and Detachable Face Security™

MOSFET 50 | DAB READY | SUPERTUNER III D | CD CONTROL | DETACHABLE FACE SECURITY

DEH-1600

NEW FOR 2004

CD Receiver with Blue Background LCD Display, MOSFET50, Supertuner® III*D*™, and Detachable Face Security™

MOSFET 50 | SUPERTUNER III D | DETACHABLE FACE SECURITY

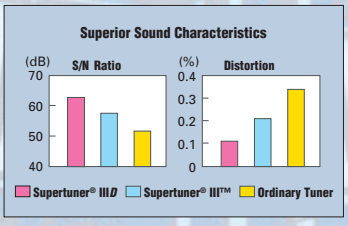
	DEH-P8600MP	DEH-P7600MP	DEH-P6600	DEH-P4600MP	DEH-P3600	DEH-P2600	DEH-1600
SUPERTUNER SECTION							
Supertuner	IIID	IIID	IIID	IIID	IIID	IIID	IIID
DAB Ready	x	x	x	x	x	x	
24-Station/6-Button (18FM/6AM) Presets	x	x	x	x	x	x	x
BSM (Best Stations Memory)	x	x	x	x	x	x	x
CD PLAYER							
1-bit D/A Converter	8fs/24-bit*	8fs/16-bit	8fs/16-bit	8fs/16-bit	8fs/16-bit	8fs/16-bit	8fs/16-bit
CD-R/CD-RW Compatible	x	x	x	x	x	x	x
MP3 Compatible	x	x		x			
WMA (Windows Media™ Audio)	x	x		x			
Wave (.wav) Compatible	x	x		x			
AGC (Automatic Gain Control)	x	x	x	x	x	x	x
Disc Title Memory	x	x	x	x	x	x	
Disc List	x						
CD Text	x	x	x	x	x	x (MCD)	
IP-Bus (Changer Control)	x	x	x	x	x	x	
BMX Digital Compression (SCD)	x	x		x			
DBE (MCD)	x	x	x	x	x	x	
AUDIO SECTION							
MOSFET50 (50Wx4-Channel High Power)	x	x	x	x	x	x	x
Equalizer	13-Band	3-Band Parametric	3-Band Parametric	3-Band Parametric	3-Band Parametric	3-Band Parametric	3-Band Parametric
SFEQ (Sound Focus EQ)		x	x		x		
EQ-EX		x	x		x		
Selectable FIE (Front Image Enhancer)				x		x	x
DSP	x						
Auto-EQ (with Mic Included)	x						
Auto Time Alignment	x						
BBE	x						
Source Level Adjuster (SLA)	x	x	x	x	x	x	x
Automatic Sound Levelizer (ASL)	x	x					
Loudness	x	x	3 Mode	3 Mode	3 Mode	3 Mode	3 Mode
Listening Position Selector	x						
Selectable Fader	x	x	x	x	x	x	x
HPF Crossover	x	x	x		x		
Subwoofer (LPF) Crossover	x	x	x		x		
Hi-Volt RCA Preouts	3 (4V)						
RCA Preouts		3 (2V)	3 (2V)	2 (2V)	2 (2V)	1 (2V)	1 (2V)
GENERAL							
DVD Control	x	x	x	Ext	Ext	Ext	
Customizable Display	CD-R						
Detachable Face Security™	x	x	x	x	x	x	x
Flap Face	Auto Slide	x	x	x	x	x	
Organic EL Display	Multi-Color	Blue	Blue				
LCD Display with LED Backlight				x	Multi-Color	x	x
Spectrum Analyzer	x	Level Ind.	Level Ind.				
Soft-Key Operation	x	x	x				
Remote Control	10-key	Card	Card	Card	Card	Card	
Rotary Volume Control	x	Pop-up	Pop-up	Pop-up	Pop-up	Pop-up	
Wired Remote Input	x	x	x	x		x	
Display Output	x	x					
Cellular Mute	x	x	x		x		
Face Case (Included)	x	x	x				
Warranty	1 Year	1 Year	1 Year	1 Year	1 Year	1 Year	1 Year

* Burr-Brown

High Performance Digital Supertuner®

SUPER TUNER IIID

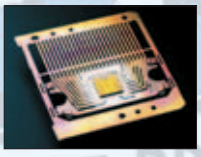
Pioneer's Supertuner® has long set the standard for tuners and Supertuner® IIID™ continues the proud lineage. Digital processing works with analog technology to reduce distortion and improve signal-to-noise ratio, stereo separation and sensitivity. In areas where reception is weak, it automatically adjusts to boost the signal and reduce multi-path noise caused by tall buildings. A digital filter achieves high selectivity in carrier frequency areas, while an analog block works to supreme advantage where reception is strong. Supertuner® IIID™, the legend lives on.



MOSFET50

MOSFET 50

In recent years, MOSFET has become the buzzword of the car electronics industry. And for good reasons. It's a highly efficient way to power your sound system and even drive a subwoofer. MOSFET50 by Pioneer is the real thing. It may not look like much, but this little chip pumps a solid 50 watts to all four speaker channels. Of course, its true beauty is its musical clarity. With MOSFET50, sound is far more detailed than what the average stereo pumps out with a bipolar circuit.



FH-P5000MP

NEW FOR 2004

Double-DIN CD/Cassette Receiver with LCD Display, MP3/WMA Playback, BMX Digital Compression, Built-in DSP, MOSFET50, DAB-Ready, Supertuner® III*D*™, IP-Bus System Control, 10-key Remote, Rotary Volume Control, and Auto Slide Flap Face

MP3 WMA DSP MOSFET 50 SUPERTUNER III*D* CD CONTROL CD TEXT BBE DIGITAL

KEH-P2030

Cassette Receiver with 40Wx4-Channel High Power, DAB-Ready, Supertuner®, IP-Bus System Control, and Detachable Face Security™

40Wx4 SUPERTUNER CD CONTROL

DEQ-7600

Universal Add-On Digital Processing Equalizer with DSP and Subwoofer Output

FEATURES

- Electronic 15-Band Digital Graphic Equalizer: Presets (5 Factory, 3 User), Nuance Control, 15 Center Frequencies, ±12dB Gain
- 5-Mode Digital Sound Field Control (SFC)
- Listening Position Selector
- Hi-Bit Legato Link™ Digital Processing with 20-Bit Accuracy
- RCA Input
- RCA Outputs (x3 Pair) (Front/Rear + Subwoofer)
- Sub-Out Crossover (50/80/125Hz, -18dB/Oct.)
- Multi-Color EL Display
- Remote Control Sensor
- Dimensions (WxHxD): 7" x 2" x 5-1/4"

DSP Hi-bit

	FH-P5000MP	KEH-P2030
SUPERTUNER SECTION		
Supertuner	III*D*	x
DAB Ready	x	x
24-Station/6-Button (18FM/6AM) Presets	x	x
BSM (Best Stations Memory)	x	x
CD PLAYER/CD FUNCTIONS		
1-bit D/A Converter	8fs/24-bit*	
CD-R/CD-RW Compatible	x	
MP3 Compatible	x	
WMA (Windows Media™ Audio)	x	
Wave (.wav) Compatible	x	
Disc Title Memory	x	
Disc List	x	
CD Text	x	
IP-Bus (Changer Control)	x	x
BMX Digital Compression (SCD)	x	
DBE (MCD)	x	
CASSETTE PLAYER		
Auto Reverse	x	x
Full Logic Control	x	
SHC Dual-Groove Tape Band	x	x
Dolby® B Noise Reduction	x	
Music Search & Repeat	x	
Radio Intercept		x
AUDIO SECTION		
MOSFET50 (50Wx4-Channel High Power)	x	
40Wx4-Channel High Power		x
BTB (Bass/Treble Booster)		x
Equalizer	13-Band	
Source Level Adjuster (SLA)	x	x
DSP	x	
BBE	x	
Loudness	x	2 Mode
HPF Crossover	x	
Selectable Fader	x	x
Subwoofer (LPF) Crossover	x	
RCA Preouts	3 (2.2V)	1 (2V)
GENERAL		
LCD Display with LED Backlight	x	
Spectrum Analyzer	x	
Detachable Face Security™		x
Flap Face	Auto	
Remote Control	10-Key Slim	
Rotary Volume Control	x	
Cellular Mute	x	
Warranty	1 Year	1 Year

* Burr-Brown converter

CDX-P1280

12-Disc IP-Bus Multi-CD Player

Ready to step up to a 12-disc CD changer? The CDX-P1280 works with a Pioneer system IP-Bus headunit and can be mounted vertically or horizontally and has CD Text capability.

12-DISC CD TEXT

CDX-FM1287

Universal FM-Modulated 12-Disc Multi-CD System with Wireless Remote Control

Want a 12-disc changer that goes with your factory stereo? No problem. The CDX-FM1287 uses your FM signal to reproduce CD audio, giving you hours of CD, CD-R, and CD-RW play. It mounts easily, and includes a remote and control/display unit.

12-DISC CD TEXT

CDX-P680

6-Disc IP-Bus Multi-CD Player

This 6-disc changer is compatible with Pioneer's IP-Bus headunits. Disc title memory allows you to program the names of up to 100 CDs. Mount it anywhere and control it via your headunit.

6-DISC CD TEXT

CDX-FM687

Universal FM-Modulated 6-Disc Multi-CD System with Wireless Remote Control

Yes, you can add a CD changer onto your factory stereo. The CDX-FM687 works off an FM signal. Load in six of your favorite discs and control everything with a wireless remote and a control/display unit.

6-DISC CD TEXT

Anti-Vibration System

We said the road was long, not smooth. Pioneer Multi-CD players are designed to deliver virtually Skip-Free Playback in the bumpiest of conditions. Thanks to a "Double-Floating" anti-vibration system that uses both springs and dampers, the CD playback systems is isolated from most forms of road vibration that can cause your CDs to skip.

CD Text

Some records are recorded with artist, title, and song information on them. Pioneer CD players with CD Text capabilities read this information and highlight it on your display. So you may not know where you're going, but at least you'll know what you're listening to.

CD TEXT

	CDX-P1280	CDX-P680	CDX-FM1287	CDX-FM687
CD PLAYER				
Disc Capacity	12	6	12	6
AGC (Automatic Gain Control)	x	x	x	x
CD-R/CD-RW Compatible	x	x	x	x
1-bit D/A Converter	x	x	x	x
8x Oversampling Filter	x	x	x	x
"Double-Floating" Anti-Vibration System	x	x	x	x
CD-Text Decoder	x	x	x	x
Disc Title Memory	100 Discs	100 Discs	100 Discs	100 Discs
ITS Memory	100 Discs	100 Discs	100 Discs	100 Discs
IP-Bus Control Output	x	x	x	x
IP-Bus Control Input (Pass-thru)				
Built-In FM Modulator			x	x
Selectable FM Frequencies			12	12
GENERAL				
Multiple Mounting Angles	x	x	x	x
Wired Control/Display			x	x
Wireless Remote			Slim	Slim
Magazine	JD1212S	JD612V	JD1212S	JD612V
Warranty	1 Year	1 Year	1 Year	1 Year

GM-D510M

1000W MAX.

NEW FOR 2004

Class D Amplifier
Big, efficient power. Operating in Class D, the space-saving GM-D510M gives you massive power with less heat—and less distortion—than with a conventional amp.

Push an explosive 1000 watts of power into a hard-driving 2-ohm load. Class D design means high efficiency, cool operation and high decibel sound without taking up too much space in your trunk—perfect for driving a sub or two.

GM-6000F

480W MAX.

NEW FOR 2004

RCA Inputs and Outputs

Oversized Power Ground Terminals

Give your sound system an extra dose of power with 480 watts and MOSFET. It's a smart, simple solution to improving your sound. Variable LPF and HPF make it easy to upgrade your system.

GM-5000T

760W MAX.

NEW FOR 2004

Give your system good, clean MOSFET power. This amp has two channels to enhance your front or rear sound, but they can be bridged together to drive a power-hungry subwoofer to the extreme.

GM-4000F

300W MAX.

NEW FOR 2004

Take advantage of the pure, clean power that comes only from MOSFETs. Dynamic power can be yours to enjoy whether the amp is configured for 2-channel or 4-channel.

GM-3000T

200W MAX.

NEW FOR 2004

Experience the extra power that brings the clarity and impact of a live performance to your drive. That's what MOSFET power and advanced circuitry do to your music.

	GM-D510M	GM-5000T	GM-3000T	GM-6000F	GM-4000F
SPECIFICATIONS					
Peak Music Power	600W (4 ohms)/ 1000W (2 ohms)	760W	200W	480W	300W
Number of Channels	1	2	2	4	4
Continuous Power (4 ohms)	300W x 1	125W x 2	40W x 2	50W x 4	35W x 4
Continuous Power (2 ohms)	500W x 1	190W x 2	50W x 2	60W x 4	40W x 4
Continuous Power Bridged (4 ohms)		380W x 1	100W x 1	120W x 2	70W x 2
Frequency Response (0, -1dB)	5Hz - 240Hz (+0.5, -3dB)	10Hz - 50kHz	10Hz - 45kHz	10Hz - 50kHz	10Hz - 50kHz
Total Harmonic Distortion (1kHz, 4 ohms)	0.1% (100Hz, 4 ohms)	0.008%	0.008%	0.008%	0.008%
Signal-to-Noise Ratio (IHF-A Weighted, at 1kHz)	100dB	100dB	100dB	95dB	100dB
Dimensions	10-9/16" x 2-1/16" x 9-13/16"	11-3/4" x 2-3/8" x 12-3/4"	11-3/4" x 2-3/8" x 6-1/8"	11-3/4" x 2-3/8" x 12-3/4"	11-3/4" x 2-3/8" x 9-3/8"
FEATURES					
Bridgeable 1/2/3-Channel Capability		x	x		
Bridgeable 2/3/4-Channel Capability				x	x
Class-D Amplifier	x				
PWM Regulated MOSFET Power Supply	x	x	x	x	x
MOSFET Output Section	x				
Balanced Isolator Input Circuit		x	x	x	x
Oversized Screw-Type Power/Ground Terminals	x	x	x	x	x
RCA Inputs	2 Ch	2 Ch	2 Ch	4 Ch	4 Ch
RCA Outputs (Pass Thru)				x	x
Speaker Level Input			2 Ch		4 Ch
Screw-Type Speaker Terminals	x	x	x	x	x
Hi-Volt Input Level Control (200mV-6.5V)		x	400mV-6.5V	400mV-6.5V	400mV-6.5V
Variable Crossover (40-240Hz, -24dB/Oct. [LPF])	x				
Variable LPF & HPF (40-120Hz, -12dB/Oct.)				x	
Selectable LPF (80Hz, -12dB/Oct.)		x	x		
Selectable LPF & HPF (80Hz, -12dB/Oct.)					x

TS-W305C/TS-W305DVC

800W MAX.

12" Component Subwoofers

SPECIFICATIONS:

- 800 Watts Max. Music Power
- 400 Watts Nominal Power Handling
- Frequency Response: 18 - 2,000Hz
- Sensitivity: 89dB (1W/1m)
- Accessory Grille (UD-G305) Available
- Recommended Enclosure: 1.5 Cubic Feet

TS-W305C

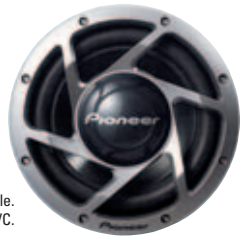
- 4Ω Rated

TS-W305DVC

- Dual-Voice Coil Design (2Ω or 8Ω)
- 2Ω Rated (Parallel Wired)
- 8Ω Rated (Series Wired)

FEATURES:

- Interlaced Aramid Fiber Reinforced IMPP Cone Woofer
- 3-Layer Fiber Woven Radial Surround
- 4-Layer, Long Voice Coil
- 12-Slit Aluminum Voice Coil Bobbin
- Dual Mass High Power Magnet
- Conex Damper with Damper Ring
- Extended Pole Yoke with Vented Pole
- Molded Gasket



TS-W305C Subwoofer with UD-G305 Spoke Grille. Grille also fits TS-W305DVC.

TS-W255C/TS-W255DVC

700W MAX.

10" Component Subwoofers

SPECIFICATIONS:

- 700 Watts Max. Music Power
- 350 Watts Nominal Power Handling
- Frequency Response: 18 - 2,500Hz
- Sensitivity: 87dB (1W/1m)
- Accessory Grille (UD-G255) Available
- Recommended Enclosure: 1.0 Cubic Foot

TS-W255C

- 4Ω Rated

TS-W255DVC

- Dual-Voice Coil Design (2Ω or 8Ω)
- 2Ω Rated (Parallel Wired)
- 8Ω Rated (Series Wired)

FEATURES:

- Interlaced Aramid Fiber Reinforced IMPP Cone Woofer
- 3-Layer Fiber Woven Radial Surround
- 4-Layer, Long Voice Coil
- 12-Slit Aluminum Voice Coil Bobbin
- Dual Mass High Power Magnet
- Conex Damper with Damper Ring
- Extended Pole Yoke with Vented Pole
- Molded Gasket

TS-W255C Subwoofer with UD-G255 Spoke Grille. Grille also fits TS-W255DVC.

3-Layer Fiber Woven Radial Surround

To reduce distortion and flexing that can occur during extreme performance, we've created a surround construction similar in concept to a radial tire. It consists of two layers of urethane sandwiching one layer of interwoven fiber that evenly distributes strength through the surround material, eliminating potential weak points.

Fiber Woven Radial Surround

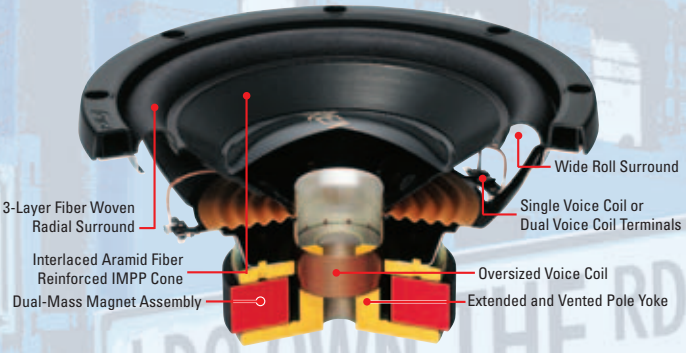
Dual Voice Coil. In search of perfect bass.

DVC subwoofers have two voice coils of 4-ohms each, which may be connected in parallel to create a 2-ohm sub, or in a series, an 8-ohm sub. Thanks to advanced Dual Voice Coil (DVC) design you can use a low impedance amplifier to create exceptionally impressive sound reproduction with one or two more subs. When used in combination with a low load impedance compatible amp, DVC can give your subwoofers even more powerful bass reproduction capability. This flexibility gives you the power to create truly superior sound with hard driving bass.

Dual-Mass Magnet Assembly

Simply glance at our new sub and you'll see our latest big idea. The Dual-Mass Magnet Assembly is nearly twice the size of a conventional subwoofer. It combines with the Extended Pole Yoke to create a significantly more powerful and focused magnetic force. It's this force that controls the voice coil and drives the woofer cone, bringing powerful, clean bass to thunderous life.

Cross Section of TS-W305C Subwoofer


Wide Roll Surround
3-Layer Fiber Woven Radial Surround
Single Voice Coil or Dual Voice Coil Terminals
Interlaced Aramid Fiber Reinforced IMPP Cone
Oversized Voice Coil
Dual-Mass Magnet Assembly
Extended and Vented Pole Yoke

Side View of TS-W305C

TS-D690R — 330W MAX.

6" X 9" REV 2-Way Speaker

DuPont™ KEVLAR®

FEATURES
- KEVLAR® Brand Fiber Composite Cone Woofer
- Butyl Rubber Surround for Smoother Response
- Glass-Imide Voice Coil Bobbin
- Latex Damper
- 1-1/8" Laminated Polyester Fiber Soft Dome Tweeter with Magnetic Fluid, Out-flux Ferrite Magnet and Rear Chamber
- Wave Guides for Dispersion Control
- Built-in LC Network (-6dB/Oct. LPF & -12dB/Oct. HPF)
- Full-Depth Basket for Rich Bass Response

SPECIFICATIONS
- 330 Watts Max. Music Power (80 Watts Nominal)
- Frequency Response: 25Hz - 32kHz
- Sensitivity: 92dB (1W/1m)
- 4Ω Rated

TS-D680R — 250W MAX.

6" x 8" REV 2-Way Speaker

DuPont™ KEVLAR®

FEATURES
- KEVLAR® Brand Fiber Composite Cone Woofer
- Butyl Rubber Surround for Smoother Response
- High-Energy Strontium Magnet (Woofer)
- Glass-Imide Voice Coil Bobbin
- Conex Damper
- 1-1/8" Laminated Polyester Fiber Soft Dome Tweeter with Magnetic Fluid, In-flux Neodymium Magnet and Rear Chamber
- Wave Guides for Dispersion Control
- Built-in LC Network (-6dB/Oct. LPF & -12dB/Oct. HPF)
- Custom-Fit for Ford and Mazda Vehicles

SPECIFICATIONS
- 250 Watts Max. Music Power (60 Watts Nominal)
- Frequency Response: 30Hz - 32kHz
- Sensitivity: 91dB (1W/1m)
- 4Ω Rated

TS-D170R — 250W MAX.

6-3/4" REV 2-Way Speaker

DuPont™ KEVLAR®

Chrysler 3-Hole Adapter

FEATURES
- KEVLAR® Brand Fiber Composite Cone Woofer
- Butyl Rubber Surround for Smoother Response
- High-Energy Strontium Magnet (Woofer)
- Glass-Imide Voice Coil Bobbin
- Latex Damper
- 1-1/8" Laminated Polyester Fiber Soft Dome Tweeter with Magnetic Fluid, In-flux Neodymium Magnet and Rear Chamber
- Wave Guides for Dispersion Control
- Built-in LC Network (-6dB/Oct. LPF & -12dB/Oct. HPF)
- Full-Depth Basket for Rich Bass Response
- Custom-Fit for Oversized 6-1/2" Applications
- Chrysler 3-Hole Adapter Included

SPECIFICATIONS
- 250 Watts Max. Music Power (60 Watts Nominal)
- Frequency Response: 28Hz - 32kHz
- Sensitivity: 91dB (1W/1m)
- 4Ω Rated

TS-D160R — 225W MAX.

6-1/2" REV 2-Way Speaker

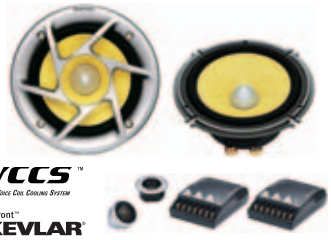
DuPont™ KEVLAR®

FEATURES
- KEVLAR® Brand Fiber Composite Cone Woofer
- Butyl Rubber Surround for Smoother Response
- High-Energy Strontium Magnet (Woofer)
- Glass-Imide Voice Coil Bobbin
- Conex Damper
- 1-1/8" Laminated Polyester Fiber Soft Dome Tweeter with Magnetic Fluid, In-flux Neodymium Magnet and Rear Chamber
- Wave Guides for Dispersion Control
- Built-in LC Network (-6dB/Oct. LPF & -12dB/Oct. HPF)
- Full-Depth Basket for Rich Bass Response
- Redesigned Basket for Improved Fit on GM Oversized 6-1/2" Applications

SPECIFICATIONS
- 225 Watts Max. Music Power (60 Watts Nominal)
- Frequency Response: 30Hz - 32kHz
- Sensitivity: 90dB (1W/1m)
- 4Ω Rated

TS-C160R — 250W MAX.

6-1/2" REV Component Speaker Package



VCCS™ Voice Coil Cooling System

DuPont™ KEVLAR®

FEATURES
- 6-1/2" KEVLAR® Brand Fiber Composite Cone Woofer
- Butyl Rubber Surround for Smoother Response
- CCAW (Copper-Clad Aluminum Wire) Voice Coil
- Glass-Imide/Copper Voice Coil Bobbin
- Conex Damper
- VCCS™ (Voice Coil Cooling System) with Aluminum Dust Cap
- Projected Pole Yoke
- 1" Polyester Fiber Soft Dome Tweeter with Magnetic Fluid and Neodymium Magnet
- Surface (Angled) or Flush Swivel Mounting
- Outboard Crossover Network Included with -12dB/Oct. HPF and -12dB/Oct. LPF, Tweeter Protection Circuit and Tweeter Level Adjustment (0, -3dB)
- Aluminum Die-Cast Full-Depth Basket for Rich Bass Response
- Gold-Plated Binding Posts
- Fits GM Oversized 6-1/2" Applications

SPECIFICATIONS
- 250 Watts Max. Music Power (60 Watts Nominal)
- Frequency Response: 25Hz - 32kHz
- Sensitivity: 90dB (1W/1m)
- 4Ω Rated

TS-C130R — 180W MAX.

5-1/4" REV Component Speaker Package

VCCS™ Voice Coil Cooling System

DuPont™ KEVLAR®

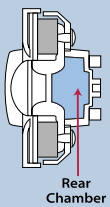
FEATURES
- 5-1/4" KEVLAR® Brand Fiber Composite Cone Woofer
- Butyl Rubber Surround for Smoother Response
- Glass-Imide/Copper Voice Coil Bobbin
- Conex Damper
- VCCS™ (Voice Coil Cooling System) with Aluminum Dust Cap
- Projected Pole Yoke
- 1" Polyester Fiber Soft Dome Tweeter with Magnetic Fluid and Neodymium Magnet
- Surface (Angled) or Flush Swivel Mounting
- Outboard Crossover Network Included with -12dB/Oct. HPF and -12dB/Oct. LPF, Tweeter Protection Circuit and Tweeter Level Adjustment (0, -3dB)
- Aluminum Die-Cast Full-Depth Basket for Rich Bass Response
- Gold-Plated Binding Posts

SPECIFICATIONS
- 180 Watts Max. Music Power (40 Watts Nominal)
- Frequency Response: 35Hz - 32kHz
- Sensitivity: 90dB (1W/1m)
- 4Ω Rated

The street drives the sound. The sound drives the street.

Inspired by the legions of kids who are redefining speed and style with their customized imported cars, REV (TS-D) Series speakers walk the walk, and talk the talk. At first glance, you'll notice their bold spoke and tweeter domes. Next, there are the KEVLAR® Brand Fiber Composite Cones. These bright yellow beauties are built to deliver loud, hard driving sound with amazing detail and clarity. With their incredible imaging and low frequency response, it shouldn't be any surprise that these speakers are direct descendants of Pioneer's award winning PRS Series drivers.

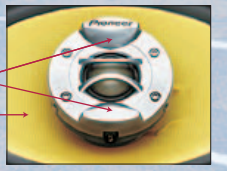
The true beauty of REV Series speakers is the science built into their soft-dome tweeters. Ordinary speaker woofers play frequencies that extend into the higher ranges. REV Series speakers segregate those crisp sounds exclusively to the tweeters. This is thanks to a diaphragm and rear chamber that controls damping and improves imaging and staging. The domes themselves are made of laminated polyester that is 30% lighter than standard material, and their gentle shape improves sound by preventing sharp top-end peaks.



The rear chamber provides greatly improved damping and an extended midrange frequency response.

Wave Guides

To help control the dips in frequency response, REV Series tweeters rely on an innovation called wave guides. They affect the dispersion patterns of sound waves and provide a sound image that is clear and focused. Wave guides also enhance localization, depth in the sound stage and generate a wider sweet spot than normal tweeters.



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TS-A6990R — 400W MAX.

6" x 9" 5-Way Speaker

FEATURES
- Interlaced Aramid Fiber Reinforced IMPP Cone Woofer
- Butyl Rubber Surround for Smoother Response
- Glass-Imide Voice Coil Bobbin
- Latex-Treated Conex Damper
- 2-5/8" Foamed PPC (Pearl Poly-Carbon) Balanced Dome Midrange with Magnetic Fluid and Strontium Magnet
- 1-1/2" Film Cone Tweeter with Neodymium Magnet
- 3/4" and 1/2" Dome Supertweeters
- Full-Depth Basket for Rich Bass Response

TS-A6980R — 350W MAX.

6" x 9" 4-Way Speaker

FEATURES
- Interlaced Aramid Fiber Reinforced IMPP Cone Woofer
- Butyl Rubber Surround for Smoother Response
- High-Energy Strontium Magnet (Woofer)
- Glass-Imide Voice Coil Bobbin
- Latex-Treated Conex Damper
- 2-5/8" Foamed PPC (Pearl Poly-Carbon) Balanced Dome Midrange with Magnetic Fluid and Strontium Magnet
- 1-1/2" Film Cone Tweeter
- 3/4" Dome Supertweeter
- Full-Depth Basket for Rich Bass Response

TS-A6970R — 240W MAX.

6" x 9" 3-Way Speaker

FEATURES
- Interlaced Aramid Fiber Reinforced IMPP Cone Woofer
- High-Energy Strontium Magnet (Woofer)
- Glass-Imide Voice Coil Bobbin
- 2-5/8" Foamed PPC (Pearl Poly-Carbon) Balanced Dome Midrange with Magnetic Fluid and Strontium Magnet
- 3/4" Dome Tweeter
- Shallow Mounting Depth for Wider Installation Coverage

TS-A6960R — 220W MAX.

6" x 9" 3-Way Speaker

FEATURES
- Interlaced Aramid Fiber Reinforced IMPP Cone Woofer
- Glass-Imide Voice Coil Bobbin
- 2-5/8" Film Cone Midrange with Strontium Magnet
- 3/4" Dome Tweeter
- Shallow Mounting Depth for Wider Installation Coverage

TS-G950M — 220W MAX.

6" x 9" 3-Way Speaker

NEW FOR 2004

FEATURES
- IMPP Composite Cone Woofer
- Glass-Imide Voice Coil Bobbin
- Conex Damper
- 2-5/8" Cone Midrange with Strontium Magnet
- 11/16" Film Dome Tweeter
- Shallow Mounting Depth for Wider Installation Coverage

TS-A6880R — 240W MAX.

6" x 8" Custom-Fit 4-Way Speaker

FEATURES
- Interlaced Aramid Fiber Reinforced IMPP Cone Woofer
- Butyl Rubber Surround for Smoother Response
- High-Energy Strontium Magnet (Woofer)
- Glass-Imide Voice Coil Bobbin
- Latex-Treated Conex Damper
- 1-5/8" Foamed PPC (Pearl Poly-Carbon) Balanced Dome Midrange with Magnetic Fluid and Strontium Magnet
- 5/8" Dome Tweeter
- 3/8" Dome Supertweeter
- Custom-Fit for Ford and Mazda Vehicles

TS-A6870R — 220W MAX.

6" x 8" Custom-Fit 3-Way Speaker

FEATURES
- Interlaced Aramid Fiber Reinforced IMPP Cone Woofer
- Butyl Rubber Surround for Smoother Response
- High-Energy Strontium Magnet (Woofer)
- Glass-Imide Voice Coil Bobbin
- Latex-Treated Conex Damper
- 1-5/8" Foamed PPC (Pearl Poly-Carbon) Balanced Dome Midrange with Magnetic Fluid and Strontium Magnet
- 3/8" Dome Tweeter
- Custom-Fit for Ford and Mazda Vehicles

TS-G6840R — 150W MAX.

6" x 8" Custom-Fit 2-Way Speaker

NEW FOR 2004

FEATURES
- IMPP Composite Cone Woofer
- High-Energy Strontium Magnet
- Kapton Voice Coil Bobbin
- Conex Damper
- 1-1/2" Film Cone Tweeter
- Custom-Fit for Ford and Mazda Vehicles

TS-A5713 — 120W MAX.

5" x 7" Custom-Fit 2-Way Speaker

FEATURES
- Foamed IMPP Composite Cone Woofer (Bronze)
- Urethane Surround for High Efficiency
- High-Energy Strontium Magnet
- 1-5/8" Cone Tweeter
- Custom-designed Speaker Basket Fits Ford, Chrysler and Toyota (6" x 8" or 5" x 7") Factory Provisions

Speaker Specifications located on Page 22.

TS-A1780R — 240W MAX.

6-3/4" 4-Way Speaker — NEW FOR 2004

3-Hole Adapter

FEATURES

- Interlaced Aramid Fiber Reinforced IMPP Cone Woofer
- Butyl Rubber Surround for Smoother Response
- High-Energy Strontium Magnet (Woofer)
- Glass-Imide Voice Coil Bobbin
- Conex Damper
- 1-5/8" Foamed PPC (Pearl Poly-Carbon) Balanced Dome Midrange with Magnetic Fluid and Strontium Magnet
- 3/8" Dome Tweeter
- 3/8" Dome Supertweeter

TS-A1680R — 220W MAX.

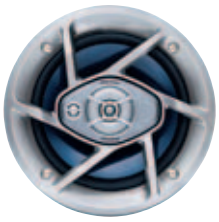
6-1/2" 4-Way Speaker

FEATURES

- Interlaced Aramid Fiber Reinforced IMPP Cone Woofer
- Butyl Rubber Surround for Smoother Response
- High-Energy Strontium Magnet (Woofer)
- Glass-Imide Voice Coil Bobbin
- Latex-Treated Conex Damper
- 1-5/8" Foamed PPC (Pearl Poly-Carbon) Balanced Dome Midrange with Magnetic Fluid and Strontium Magnet
- 5/8" Dome Tweeter
- 3/8" Dome Supertweeter
- Full-Depth Basket for Rich Bass Response
- Redesigned Basket for Improved Fit on GM Oversized 6-1/2" Applications

TS-A1670R — 180W MAX.

6-1/2" 3-Way Speaker



FEATURES

- Interlaced Aramid Fiber Reinforced IMPP Cone Woofer
- Butyl Rubber Surround for Smoother Response
- High-Energy Strontium Magnet (Woofer)
- Glass-Imide Voice Coil Bobbin
- Latex-Treated Conex Damper
- 1-5/8" Foamed PPC (Pearl Poly-Carbon) Balanced Dome Midrange with Magnetic Fluid and Strontium Magnet
- 3/8" Dome Tweeter
- Shallow Mounting Depth for Wider Installation Coverage
- Redesigned Basket for Improved Fit on GM Oversized 6-1/2" Applications

TS-G650M — 180W MAX.

6-1/2" 3-Way Speaker — NEW FOR 2004

FEATURES

- IMPP Composite Cone Woofer
- High-Energy Strontium Magnet (Woofer/Midrange)
- Glass-Imide Voice Coil Bobbin
- Conex Damper
- 1-5/8" Cone Midrange
- 3/8" Film Dome Tweeter
- Shallow Mounting Depth for Wider Installation Coverage

TS-G1640R — 160W MAX.

6-1/2" 2-Way Speaker — NEW FOR 2004

FEATURES

- IMPP Composite Cone Woofer
- High-Energy Strontium Magnet (Woofer)
- Kapton Voice Coil Bobbin
- Conex Damper
- CCAW (Copper-Clad Aluminum Wire) Voice Coil
- 1-5/8" Film Cone Tweeter
- 6-3/4" Compatibility (GM Tabs)

TS-A1370R — 160W MAX.

5-1/4" 3-Way Speaker — NEW FOR 2004

FEATURES

- Interlaced Aramid Fiber Reinforced IMPP Cone Woofer
- Butyl Rubber Surround for Smoother Response
- High-Energy Strontium Magnet (Woofer)
- Glass-Imide Voice Coil Bobbin
- Conex Damper
- 1-5/8" Foamed PPC (Pearl Poly-Carbon) Cone Midrange with Magnetic Fluid and Strontium Magnet
- 3/8" Dome Tweeter

6" x 8" Perfect Fit Speakers

There are a few things in life we'll never understand. Like why do stereo companies keep trying to force people to put 5" x 7" speakers in 6" x 8" holes? It doesn't look or sound right. That's why we've researched exactly what dimension speakers would work best with what cars. If it doesn't fit perfect, it's not gonna sound perfect. Trust us on this.

6" x 8" factory opening
6" x 8" speaker

6" x 8" factory opening
5" x 7" speaker

6-1/2" Oversized Speakers

At Pioneer Installation Trend Analysis (PITA) we track trends in the automotive market. Over the past several years, we have seen an explosive growth in the number of oversized 6-1/2" speaker applications. And for good reason—an oversized 6-1/2" speaker has 13% more cone area than traditional speakers. And more cone area means more bass.

All of Pioneer 6-1/2" and 6-3/4" speakers include extra tabs for GM compatibility.

13% Larger than 6-1/2" Cone

TS-A1780R

TS-A1670R

Speaker Specifications located on Page 22.

TS-G1340R — 130W MAX.

5-1/4" 2-Way Speaker NEW FOR 2004

FEATURES
- IMPP Composite Cone Woofer
- High-Energy Strontium Magnet (Woofer)
- Kapton Voice Coil Bobbin
- Conex Damper
- 1-3/8" Film Cone Tweeter
- Shallow Mounting Depth for Wider Installation Coverage

TS-A4670R — 120W MAX.

4" x 6" 3-Way Speaker NEW FOR 2004

FEATURES
- Interlaced Aramid Fiber Reinforced IMPP Cone Woofer
- High-Energy Strontium Magnet (Woofer)
- Glass-Imide Voice Coil Bobbin
- Conex Damper
- 1-1/8" Foamed PPC (Pearl Poly-Carbon) Balanced Dome Midrange with Magnetic Fluid and Neodymium Magnet
- 3/8" Dome Tweeter
- Custom-Fit US/European Compatible Basket Design

TS-G4640R — 100W MAX.

4" x 6" 2-Way Speaker NEW FOR 2004

FEATURES
- IMPP Composite Cone Woofer
- High-Energy Strontium Magnet
- Kapton Voice Coil Bobbin
- Conex Damper
- 1-3/8" Film Cone Tweeter
- Custom-Fit US/European Compatible Basket Design

TS-A1057 — 100W MAX.

4" 2-Way Speaker

FEATURES
- Foamed IMPP Composite Cone Woofer
- High-Compliance Urethane Surround for High Efficiency
- High-Energy Strontium Magnet (Woofer)
- Glass-Imide Voice Coil Bobbin
- Latex-Treated Conex Damper
- 1" Foamed PPC (Pearl Poly-Carbon) Balanced Dome Tweeter with Neodymium Magnet and Magnetic Fluid
- 4 & 2-Hole Compatibility with Removable Screw Holes

TS-G1040R — 100W MAX.

4" 2-Way Speaker NEW FOR 2004

FEATURES
- IMPP Composite Cone Woofer
- Kapton Voice Coil Bobbin
- Cotton/Conex Damper
- 1-1/8" Film Cone Tweeter
- 4 & 2-Hole Compatibility with Removable Screw Holes

TS-A4103 — 120W MAX.

4" x 10" 2-Way Speaker

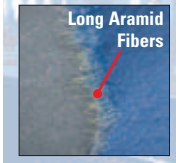
FEATURES
- IMPP Composite Cone Woofer
- Urethane Surround for High Efficiency
- High-Energy Strontium Magnet (Woofer/Tweeter)
- Aluminum Voice Coil Bobbin
- Conex Damper
- 1-5/8" Cone Tweeter

IMPP Cone Reinforced with Interlaced Aramid Fiber

Cone performance is most dependent on two variables: weight and durability. Pioneer IMPP cones have long been renowned for their lightweight structure. Now we've reinforced them with Interlaced Aramid Fiber, creating a high-performance cone with a highly dense internal architecture. This added strength and rigidity provides resiliency against high power output and booming bass. Full-bodied sound is transferred quickly with character and midrange depth once considered impossible with previous IMPP cones.

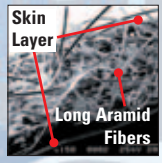
IMPP Injection Mold Process

Microscopic Cross Section View



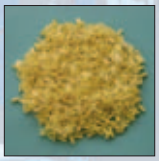
Aramid Fibers inside the cone

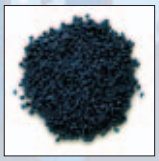
Regular IMPP Cone



Aramid Fiber Reinforced IMPP Cone

Pioneer IMPP reinforced cones are a combination of aramid fiber, polypropylene and color pellets.


Long Aramid Fiber Pellets


Color Pellets

Polypropylene Pellets

Interlaced Aramid Fiber Reinforced IMPP Cone

Foamed PPC

PPC (or Pearl Poly-Carbon to us engineers) is a lightweight material that delivers high sensitivity, open sound character and smooth extended frequency response in tweeters. Not only that, but it has a high inner loss that reduces distortion. It's also blended with special carbon fiber for UV resistance and protection against the harsh environment of your car. Think of it as the perfect soundstage for the crisp highs you demand.

Speaker Specifications located on Page 22.

TS-A878 — 60W MAX.

3-1/2" Dash-Mount 2-Way Speaker

FEATURES
- 3-1/2" Carbon-Graphite Blended IMPP Composite Cone Woofer
- High-Energy Strontium Magnet (Woofer)
- Glass-Imide Voice Coil Bobbin
- Conex Damper
- 1" PEI (Poly-Ether Imide) Dome Tweeter
- Ultra-Slim Neodymium Magnet (Tweeter)
- Custom-Fit for GM, Ford and Volkswagen Vehicles

TS-877 — 40W MAX.

3-1/2" Dash-Mount Dual-Cone Speaker

FEATURES
- 3-1/2" Cone Woofer
- Custom-Fit for GM, Ford and Volkswagen Vehicles

TS-T15 — 120W MAX.

3/4" Component Soft Dome Tweeter

FEATURES
- Small-Sized (3/4") Polyester Fiber Soft Dome Tweeter with Neodymium Magnet and Magnet Fluid
- -6dB/Oct. Capacitor for Tweeter Protection (Included)
- Flush and Surface Mounting Capabilities

SPECIFICATIONS
- 120 Watts Max. Music Power (40 Watts Nominal) (with Network)
- Frequency Response: 2,500Hz - 30kHz
- Sensitivity: 90dB (1W/1m)
- 4Ω Rated

TS-T110 — 120W MAX.

7/8" Component Hard Dome Tweeter

FEATURES
- 7/8" PPTA Hard Dome Tweeter with Strontium Magnet and Magnetic Fluid
- In-Line -6dB/Oct. Capacitor for Tweeter Protection
- Surface or Flush Mounting Capabilities

SPECIFICATIONS
- 120 Watts Max. Music Power (40 Watts Nominal) (with Included Crossover)
- Frequency Response: 2,500Hz - 30kHz
- Sensitivity: 90dB (1W/1m)
- 4Ω Rated

	Size	Max. Music Power (Nominal)	Frequency Response	Sensitivity (1W/1m)	Impedance	Mounting Depth	Cut-Out Dimensions
TS-A6990R	6"x9"	400W (80W)	25Hz - 32kHz	93dB	4Ω	3-3/8" (87mm)	6" x 8-7/8" (153mm x 225mm)
TS-A6980R	6"x9"	350W (80W)	25Hz - 30kHz	93dB	4Ω	3-3/8" (86mm)	6" x 8-7/8" (153mm x 225mm)
TS-A6970R	6"x9"	240W (40W)	28Hz - 30kHz	93dB	4Ω	2-7/8" (73mm)	6" x 8-7/8" (153mm x 225mm)
TS-A6960R	6"x9"	220W (40W)	28Hz - 28kHz	93dB	4Ω	2-7/8" (73mm)	6" x 8-7/8" (153mm x 225mm)
TS-G950M	6"x9"	220W (40W)	28Hz - 32kHz	92dB	4Ω	2-13/16" (72mm)	6" x 8-7/8" (153mm x 225mm)
TS-A6880R	6"x8"	240W (50W)	30Hz - 30kHz	91dB	4Ω	2-1/2" (62mm)	7-1/2" x 5-1/4" (191mm x 133mm)
TS-A6870R	6"x8""	220W (50W)	30Hz - 28kHz	91dB	4Ω	2-1/2" (62mm)	7-1/2" x 5-1/4" (191mm x 133mm)
TS-G6840R	6"x8"	150W (30W)	35Hz - 22kHz	90dB	4Ω	2-3/8" (59mm)	7-5/8" x 5-1/2" (191mm x 139mm)
TS-A5713	5"x7"	120W (40W)	35Hz - 24kHz	92dB	4Ω	2-1/4" (58.5mm)	7-1/4" x 5" (183mm x 126mm)
TS-A1780R	6-3/4"	240W (50W)	28Hz - 30kHz	91dB	4Ω	2-1/2" (62.5mm)	5-1/2" (139mm)
TS-A1680R	6-1/2"	220W (50W)	30Hz - 30kHz	91dB	4Ω	2-1/4" (57mm)	5" (128mm)
TS-A1670R	6-1/2"	180W (35W)	30Hz - 28kHz	90dB	4Ω	1-3/4" (44mm)	5" (128mm)
TS-G650M	6-1/2"	180W (35W)	35Hz - 28kHz	91dB	4Ω	1-11/16" (42.5mm)	5" (128mm)
TS-G1640R	6-1/2"	160W (30W)	35Hz - 22kHz	92dB	4Ω	1-5/8" (42mm)	5" (128mm)
TS-A1370R	5-1/4"	160W (35W)	40Hz - 30kHz	91dB	4Ω	2-1/16" (53mm)	4-3/4" (121mm)
TS-G1340R	5-1/4"	130W (25W)	40Hz - 22kHz	91dB	4Ω	1-7/8" (46mm)	4-3/4" (121mm)
TS-A4670R	4"x6"	120W (20W)	45Hz - 30kHz	90dB	4Ω	1-3/4" (45mm)	3-3/4" x 6" (95mm x 153mm)
TS-G4640R	4"x6"	100W (20W)	45Hz - 22kHz	90dB	4Ω	1-3/4" (45mm)	4-7/8" x 2-7/8" (123 x 73mm)
TS-A1057	4"	100W (20W)	45Hz - 30kHz	90dB	4Ω	1-11/16" (42.8mm)	4" (102mm)
TS-G1040R	4"	100W (20W)	45Hz - 22kHz	90dB	4Ω	1-5/8" (43mm)	4-1/8" (106mm)
TS-A4103	4"x10"	120W (35W)	38Hz - 23kHz	91dB	4Ω	2-1/2" (64mm)	6-7/8" x 3-3/8" (175mm x 85mm)
TS-A878	3-1/2"	60W (15W)	60Hz - 28kHz	88dB	4Ω	1-3/8" (36mm)	3" (77mm)
TS-877	3-1/2"	40W (10W)	90Hz - 20kHz	88dB	4Ω	1-1/2" (37mm)	3" (77mm)
TS-MR2040	8"	200W (40W)	25Hz-30kHz	92dB	4Ω	2-15/16" (75mm)	7-5/16" (186mm)
TS-MR1640	6-1/2"	160W (30W)	30Hz - 30kHz	91dB	4Ω	2-3/16" (56mm)	5-1/8" (130mm)
TS-MR1600	6-1/2"	100W (25W)	30Hz - 20kHz	90dB	4Ω	2-3/16" (56mm)	5-1/8" (130mm)

* With 400Hz, -6dB/Oct. HPF; ** Without Crossover

TS-MR2040 — 200W MAX.

Nautica® Series
8" Marine-Use 2-Way Speaker

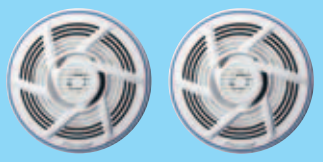
NEW FOR 2004

FEATURES
- White Water-Resistant IMPP Cone Woofer
- Water-Resistant Elastomer Surround
- Glass-Imide Voice Coil Bobbin
- Conex Damper
- 3/4" PI (Poly Imide) Reflex Horn Tweeter Design
- High-Quality Corrosion-Resistant Hardware
- Gold-Plated Tinsel Leadwire and Terminals
- Weather-Proof and Heat-Resistant Resin

TS-MR1640 — 160W MAX.

Nautica® Series
6-1/2" Marine-Use 2-Way Speaker

NEW FOR 2004

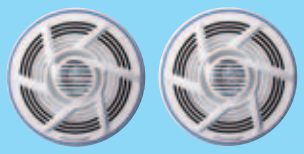


FEATURES
- White Water-Resistant IMPP Cone Woofer
- Water-Resistant Elastomer Surround
- Glass-Imide Voice Coil Bobbin
- Conex Damper
- 1-1/8" PEI (Poly-Ether Imide) Dome Tweeter with Magnetic Fluid and Equalizer
- High-Quality Corrosion-Resistant Hardware
- Gold-Plated Tinsel Leadwire and Terminals
- Weather-Proof and Heat-Resistant Resin

TS-MR1600 — 100W MAX.

Nautica® Series
6-1/2" Marine-Use Dual-Cone Speaker

NEW FOR 2004



FEATURES
- White Water-Resistant IMPP Cone Woofer
- Water-Resistant Elastomer Surround
- Glass-Imide Voice Coil Bobbin
- Conex Damper
- High-Quality Corrosion-Resistant Hardware
- Gold-Plated Tinsel Leadwire and Terminals
- Weather-Proof and Heat-Resistant Resin

AD-MR92

Nautica® Series
Waterproof Marine Stereo Cover

FEATURES
- Fully Weatherproof Cover Designed Exclusively for Marine Environment
- Exclusive "Vertical Opening Locking Bubble"
- Stainless Steel Mounting Hardware (Included)

CD-MR70

Marine-Use Remote Control
For Use with Wired Remote Ready Headunits.

NEW FOR 2004

Nautica Series

N-A-U-T-I-C-A™
PIONEER MARINE PRODUCTS

To us, "mobile audio" extends out onto water, and our upgraded Nautica Series marine speakers are designed specifically for this application. They are water- and corrosion-resistant, with magnets that are sealed away from moisture. Even the parts and terminals are marinized, for long life and great music.

AUDIO VIDEO ACCESSORIES

AD-GA10 — NEW FOR 2004
Offset Installation Kit

For use with AVIC-N1, AVH-P7500DVD, AVH-P6500DVD and AVH-P6600DVD.

AD-RM6100G
Overhead Console Trim Ring (Grey)

For use with AVR-W6100.

AD-RM6100T
Overhead Console Trim Ring (Tan)

For use with AVR-W6100.

CD-V61FM
Add-on FM Modulator

Compatible with any 2ch Audio Source.

CD-VS33
Video Switcher

Universal switcher with 3 A/V inputs, 3 video inputs, 2 headphone outputs with volume control and independent AV selector.

GEX-6100TV
TV Tuner

Compatible with AVR-W6100 only. Antenna included.

SE-IRM250
Wireless Headphones

IR wireless headphones for use with AVR-W6100 only.

TS-CX7
Center Channel Speaker

Combine the high quality TS-CX7 with the AVH-P7500DVD for true surround sound.

NAVIGATIONAL ACCESSORIES

CD-RV1 — NEW FOR 2004
Remote for Rear Seat Entertainment

Allows rear seat passenger to control AVIC-N1's DVD playback functions. For use only with AVIC-N1.

CD-RGB26P — NEW FOR 2004
26-Pin RGB Connection Box

Required when connecting the AVIC-80DVD to 20-pin RGB components.

CD-RGB600
26-Pin RGB Cable (6 meter)

Required when connecting RGB output of AVIC-9DVD to AVH-P6400CD, AVH-P6400, AVH-P7500DVD, AVH-P6500DVD or AVH-P6600DVD.

CD-TS36
Voice Guidance Speaker with IR Sensor for AVIC-9DVD, AVIC-90DVD and AVIC-80DVD

(For use with Non-Pioneer Displays) CD-RGB26P is also required for Non-Pioneer Displays.

CNDV-21
AVIC-9DVD and AVIC-90DVD Update Disc

Allows for AVIC-9DVD and AVIC-90DVD to have enhanced touch screen features of AVIC-80DVD. Required for AVIC-9DVD and AVIC-90DVD to connect with Touch Screen Display. (AVH-P7500DVD, AVH-P6500DVD, AVD-W6210 and AVH-P6600DVD)

CD-VC1 — NEW FOR 2004
Voice Command Pack

Package includes voice recognition mic and steering wheel remote. For use only with AVIC-N1.

CD-SC300E — NEW FOR 2004
Trunk-Mount Extension System Cable (3m)

Allows connection of AVIC-N1 to a hide-away unit.

CD-TS37GP — NEW FOR 2004
Navigation Guidance Speaker

Required when using the AVIC-N1 with a multi-channel processor. Navi commands broadcast through Guidance Speaker.

ND-BC1 — NEW FOR 2004
Universal Rear View Camera

Features include high resolution, compact size and reversed-image capability.

AUDIO VIDEO/NAVIGATION CABLES

CD-AD600 — NEW FOR 2004
Optical Digital Cable (6 meter)

Male-to-Male. Required when connecting Multi-channel Processor to Optical out components.

CD-30RGB
20-pin RGB Cable (3 meter)

Required when connecting RGB input of AVD-W6000 to AVIC-505, AVIC-9DVD, AVM-P7000R, AVM-P8000R, AVM-P9000R or GEX-P7000TV.

CD-65RGB
RGB-to-RGB Interface Cable (6 meter)

Required when connecting RGB input of AVD-W8000 to AVIC-505 or AVIC-9DVD.

CD-AB300
AV-Bus Cable (3 meter)

Male-to-Male. For use with AVH-P7500DVD, AVH-P6500DVD and AVH-P6600DVD when connecting to XDV-P90.

CD-AB301E
AV-Bus Extension Cable (3 meter)

Female-to-Male Extension Cable. For use with AV products.

CD-AR600
AV Input Composite Cable (male DIN) (6 meter) with IR Repeater

For use when connecting additional source to AVR-W6100.

CD-IP601E
IP-Bus Extension Cable (6 meter)

Female-to-Male Extension Cable. For use with AV products.

CD-RGB31E
20-pin RGB Extension Cable (3 meter)

Female-to-Male RGB Extension Cable. All 20-pin RGB Cables can be extended with this cable.

CD-SE70
IR Remote Sensor

For use with SDV-P7 when installed in hide-away (under seat/trunk) locations. (6m)

REMOTE CONTROLS

CD-R11
Full Function Audio Video and Navi Remote

Necessary when using AVIC-80DVD with non-Pioneer or non-touch monitors.

CD-R600
Full Function Smart Remote Control

For use with remote ready IP-Bus Headunits and AVM-P7000R. (No Video Control)

CD-R7
DVD Remote with IR Sensor

For use with XDV-P90 when used in stand-alone mode.

CD-R99
DVD/TV Tuner Remote Control

Works with all Pioneer DVD sources. Main use for rear seat passenger.

CD-SR100
Steering Wheel Remote Control

For use with AVH-P6400CD, AVH-P6400, AVH-P6500DVD, AVH-P6600DVD, AVM-P7000R and all IP-Bus Source Units. With DVD NAVI Voice Controller.

CD-SR90
Audio Video Steering Wheel Remote

AVM Audio and DVD NAVI Voice Controller. For use with AVM-P9000R and AVM-P8000R.

CELLULAR ACCESSORIES

CD-CM1
Add-on Cellular Mute Kit

For use with all cellular mute compatible headunits. (Analog phones only)

CD-HF1
Add-on Hands Free Kit

For use with all cellular hands free compatible headunits. (Does not work with CDMA Phones)

IP-BUS EXTENSION CABLES

CD-IP600
IP-Bus Cable (6 meter)

Male-to-Male Extension Cable.

CD-IP150
IP-Bus Extension Cable (1.5 meter)

Female-to-Male Extension Cable.

SPEAKER GRILLES

UD-G305
12" Spoke Grille

For use with TS-W305C, TS-W305DVC, TS-W300R and TS-W34C.

UD-G255
10" Spoke Grille

For use with TS-W255C, TS-W255DVC, TS-W250R and TS-W29C.

MCD MAGAZINES

JD-1212S
12 Disc Magazine

For use with FM and Straight 12 Disc Changers, 1996 to current.

JD-612V
6 Disc Magazine

For use with XDV-P90, FM and Straight 6 Disc Changers, 1996 to current.

JD-T1212
12 Disc Magazine

For use with FM and Straight 12 Disc Changers, 1995 and earlier.

JD-T612
6 Disc Magazine

For use with FM and Straight 6 Disc Changers, 1995 and earlier.

AUXILIARY INPUT ADAPTERS

CD-RB20
IP-Bus-to-RCA Adapter

Allows connection of external audio source and MCD player to IP-Bus headunit.

CD-RB10
IP-Bus-to-RCA Adapter

Allows connection of external audio source to IP-Bus headunit.

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